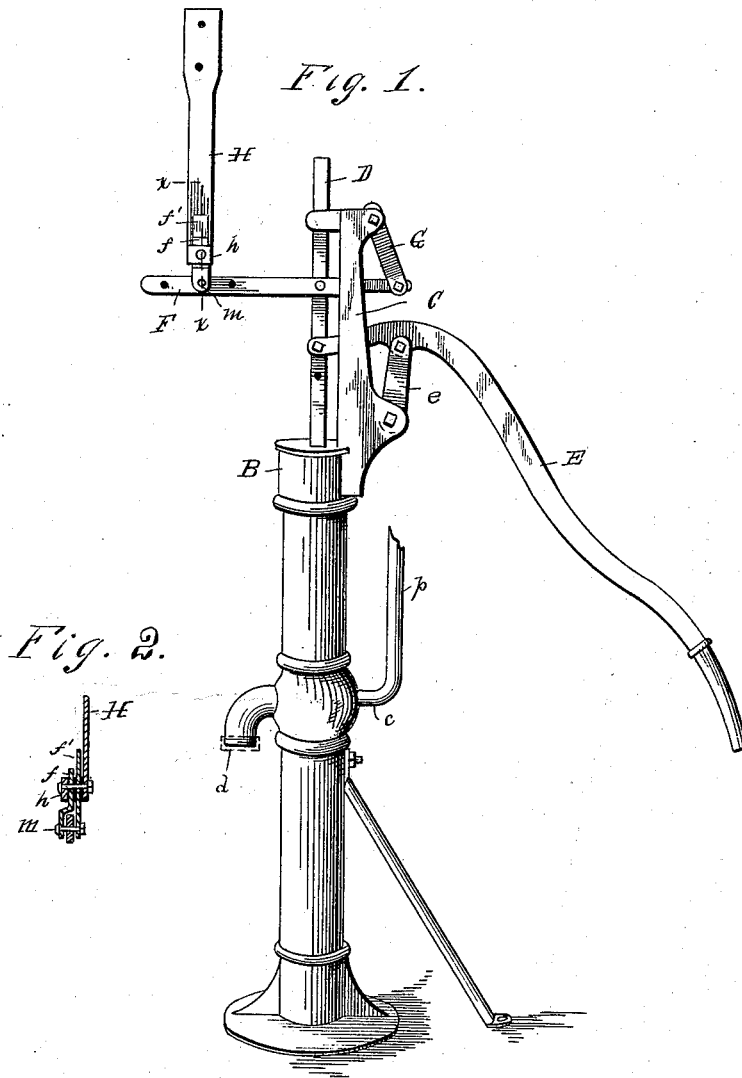


(No Model.)

J. P. SCHUCKMAN.
PUMP AND WINDMILL HEAD.

No. 384,086.

Patented June 5, 1888.



Witnesses.
M. A. Barnes.
Van Buren Hilgard.

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UNITED STATES PATENT OFFICE.

JOHN P. SCHUCKMAN, OF OREARVILLE, MISSOURI.

PUMP AND WINDMILL HEAD.

SPECIFICATION forming part of Letters Patent No. 384,086, dated June 5, 1888.

Application filed December 27, 1887. Serial No. 259,117. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. SCHUCKMAN, a citizen of the United States, residing at Orearville, in the county of Saline and State of Missouri, have invented certain new and useful Improvements in Pump and Windmill Heads; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to pump heads for hand and windmill power.

The object of the invention is the provision of a pump-head for hand and windmill power which is capable of having the power applied to the pump-rod from either the windmill or the pump-handle, or both combined; and to this end the improvement consists of the peculiar construction and novel combination of parts, which will be more fully hereinafter set forth and claimed, and shown in the annexed drawings, in which—

Figure 1 is a front view of a pump embodying my invention, and Fig. 2 a sectional view on the line X X of Fig. 1.

The pump A, of well-known construction, is provided with a head, B, of ordinary form, from which the standard C extends. The pump-rod D, working through a guide in the upper end of the standard, is connected with the pump-handle E, which is supported on the swinging link *e*, connected with the base of the standard. The lever F, arranged at right angles to the pump rod, is connected at one end with the swinging link G, and at its other end with the windmill-rod H, and between its ends to the pump-rod D. The link G is connected with the upper end of the standard, and the lever F is adjustably connected with the windmill-rod H in any desired manner, and, as shown, it is connected therewith by

the clevis *f*, the upper part of which passes into the lower end of rod H. The upper ends of the plates *f* and *f'*, which compose the clevis, come together, and their lower ends are separated to embrace the lever, to which it is fastened by the bolt *m*.

In a dead calm the pump can be operated by the handle E in the ordinary manner, and in light winds the lever F serves to multiply or increase the power of the windmill as applied to the pump-rod. In a strong wind the rod H is adjusted nearer the pump-rod, thereby decreasing the leverage, and in light winds it is carried away from the pump-rod to increase the leverage.

Fig. 1 represents the pump arranged to force the water into a tank above the pump, *p* representing the pipe; *c*, a short pipe into the back of the pump, to which short pipe *p* is attached. *d* is the cap, which may be used to stop up the mouth of the pump when it is desired to force the water up through *p*.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The hereinbefore shown and described pump-head for hand and windmill power, composed of the head B, having the standard C projected vertically therefrom, and provided with a bearing at its upper end for the pump-rod to work through, the lever F, pivoted to the pump-rod, and having one end adjustably connected with the windmill-rod, and having its other end connected with the bearing by the swinging link G, and the handle E, connected with the pump-rod and connected with the said standard by the swinging link *e*, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN P. SCHUCKMAN.

Witnesses:

JOHN A. RICH,
EDGAR D. JONES.